

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088435.D
 Acq On : 26 Jun 2016 23:19
 Operator : UM/SJ
 Sample : H3663-11 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Manual Integrations
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Quant Time: Jun 27 18:55:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	70745	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	287198	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	126966	20.00	ng	-0.07
63) Phenanthrene-d10	11.06	188	197684	20.00	ng	-0.06
75) Chrysene-d12	13.70	240	126513	20.00	ng	-0.05
86) Perylene-d12	15.05	264	145337	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	72645	17.55	ng	-0.05
7) Phenol-d6	6.22	99	97616	19.46	ng	-0.05
23) Nitrobenzene-d5	7.12	82	62554	12.72	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	17943	13.38	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	127146	10.90	ng	-0.06
78) Terphenyl-d14	12.64	244	90185	16.22	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	7.85	128	167225	11.77	ng	98
37) 2-Methylnaphthalene	8.55	142	51445	5.49	ng	99
49) Dimethylphthalate	9.31	163	50270	5.47	ng	99
51) Acenaphthene	9.61	154	202805	24.88	ng	99
54) Dibenzofuran	9.78	168	190640	16.98	ng	92
57) Fluorene	10.12	166	217462	26.70	ng	99
70) Phenanthrene	11.10	178	1795864	173.12	ng	98
71) Anthracene	11.14	178	621161	59.36	ng	99
72) Carbazole	11.30	167	300352	30.67	ng	97
74) Fluoranthene	12.29	202	2175014	198.68	ng	99
77) Pyrene	12.51	202	2008766	213.97	ng	99
80) Benzo(a)anthracene	13.69	228	1236659	171.53	ng	98
82) Chrysene	13.73	228	1158493m	170.80	ng	
85) Indeno(1,2,3-cd)pyrene	16.31	276	816124	129.51	ng	# 100
87) Benzo(b)fluoranthene	14.71	252	1428270m	141.00	ng	
88) Benzo(k)fluoranthene	14.71	252	605605m	79.25	ng	
89) Benzo(a)pyrene	15.02	252	1031794	125.90	ng	# 94
90) Dibenzo(a,h)anthracene	16.30	278	314946m	41.38	ng	
91) Benzo(a,h,i)perylene	16.67	276	767439	98.01	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

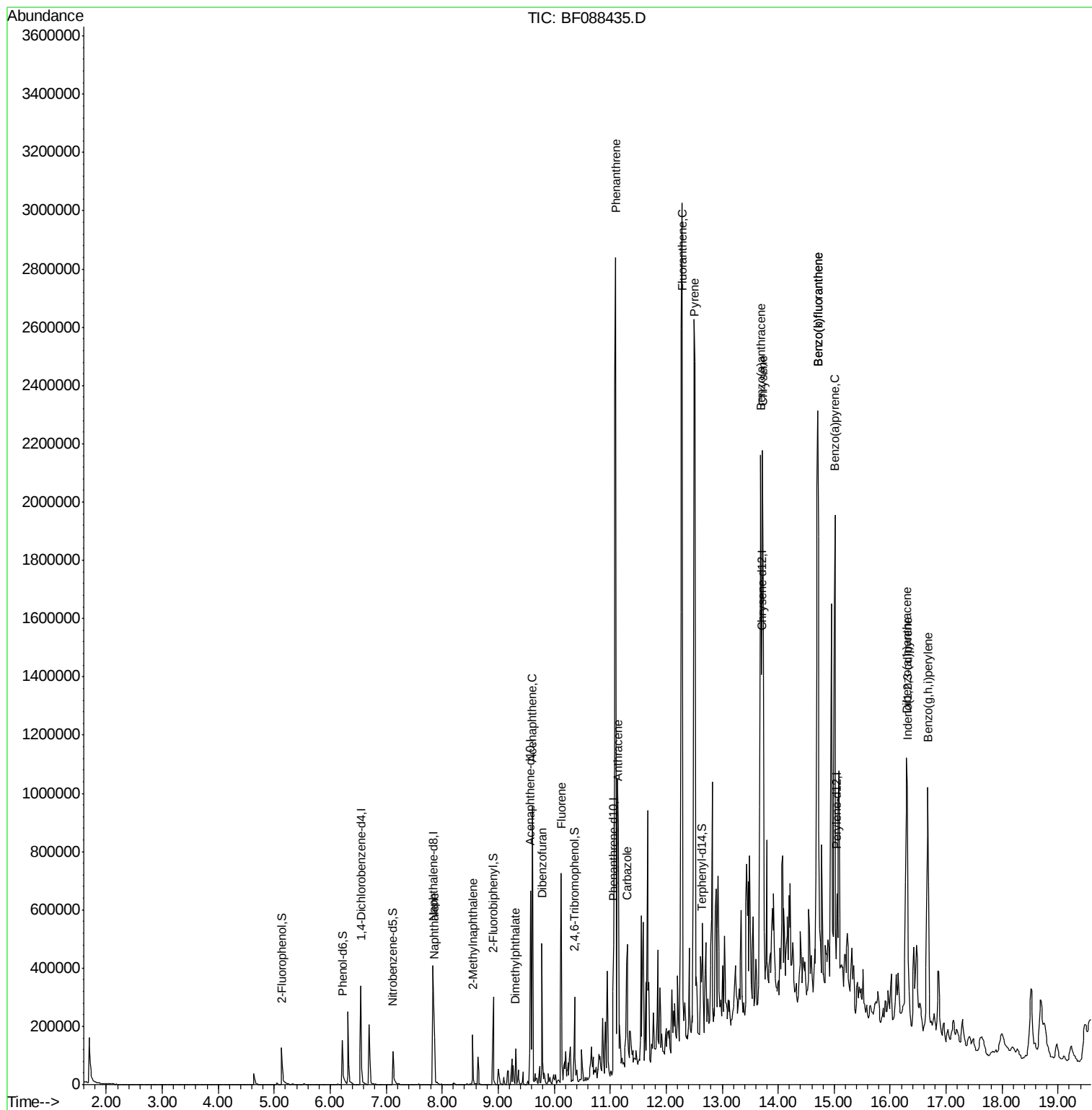
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088435.D
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Sample : H3663-11 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

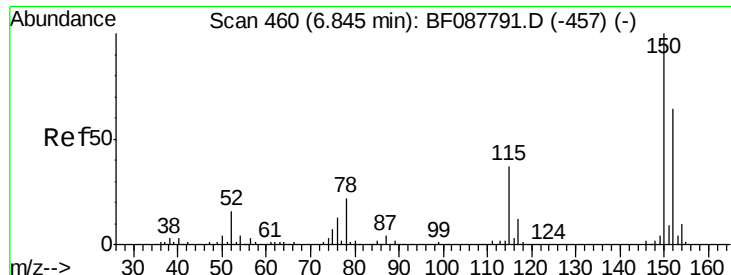
Instrument :
BNA_F
ClientSampled :
TP-6

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Quant Time: Jun 27 18:55:59 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

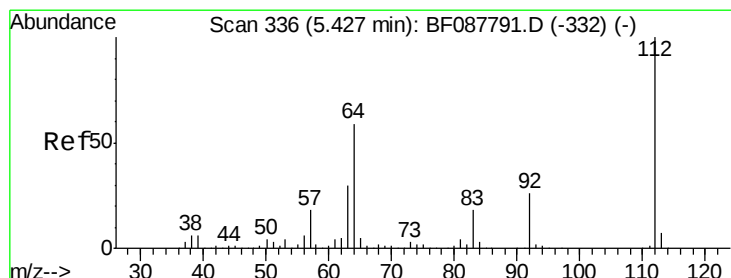
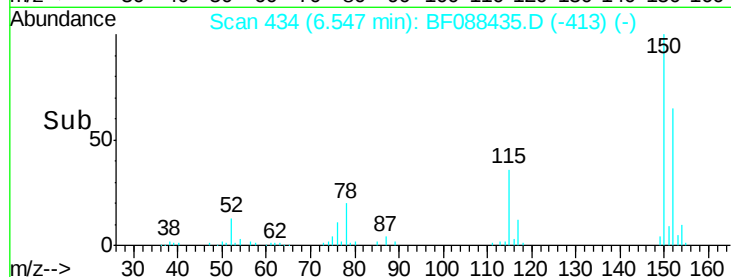
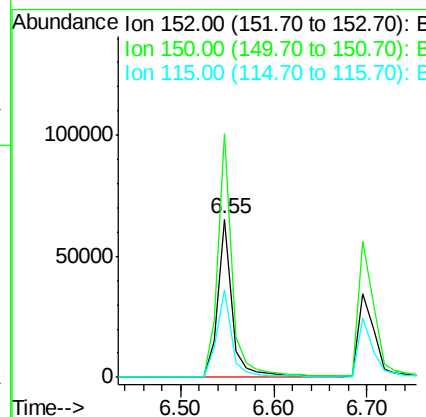
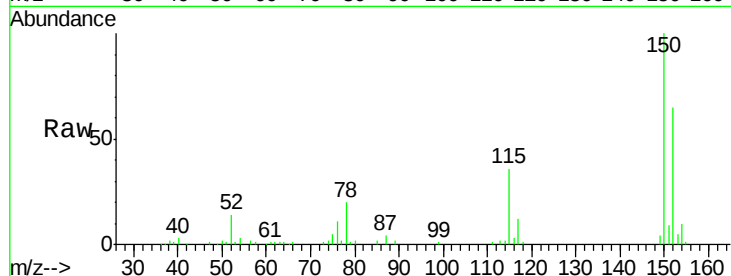
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.8	185.6
115	55.3	39.6	59.4

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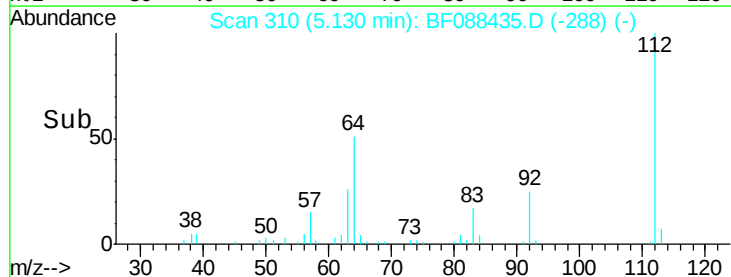
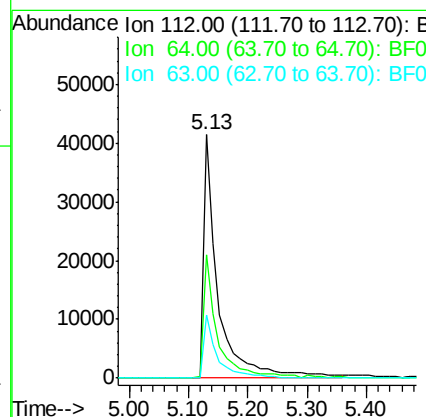
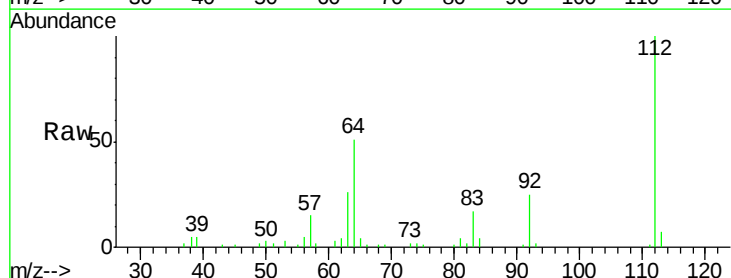
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#5

2-Fluorophenol
Concen: 17.55 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.05 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	42.2	63.2
63	26.0	21.8	32.8





#7

Phenol-d6

Concen: 19.46 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088435.D

Acq: 26 Jun 2016 23:19

Instrument :

BNA_F

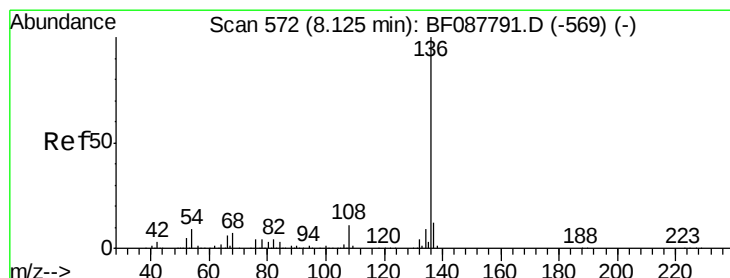
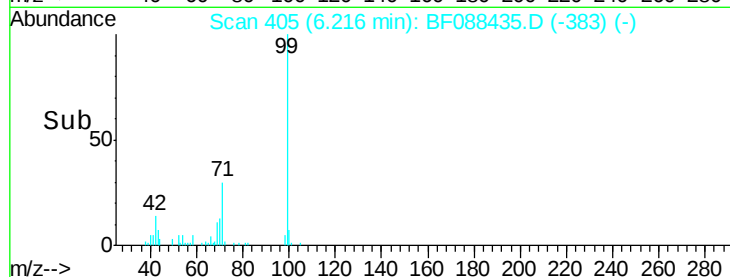
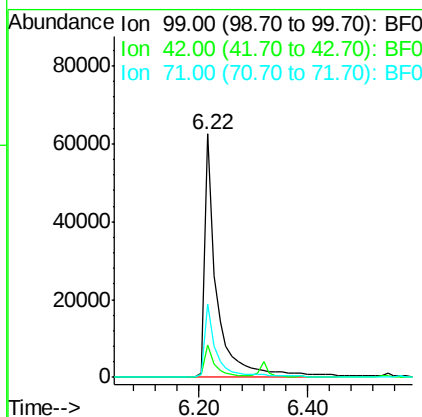
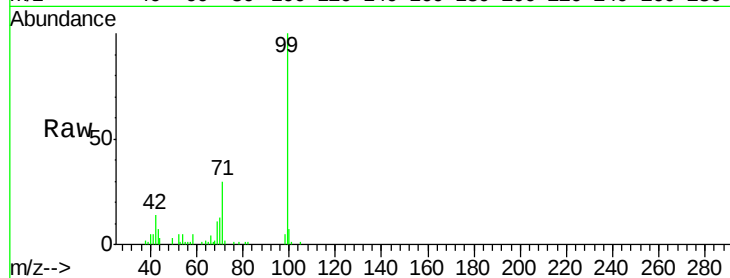
ClientSampleId :

TP-6

Tot Ion:	99	Resp:	97616
Ion	Ratio	Lower	Upper
99	100		
42	13.5	12.2	18.2
71	30.0	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

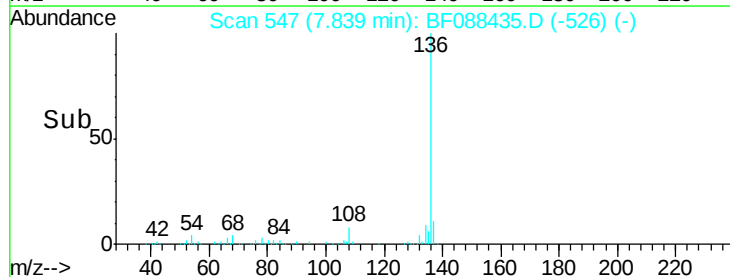
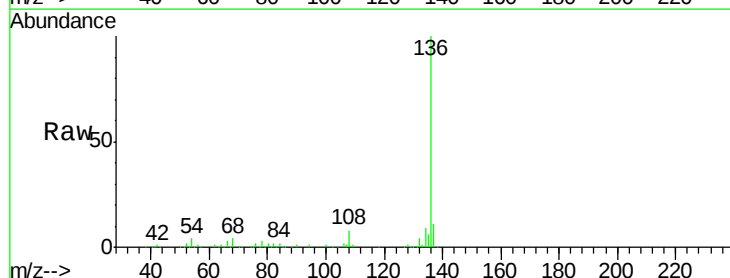
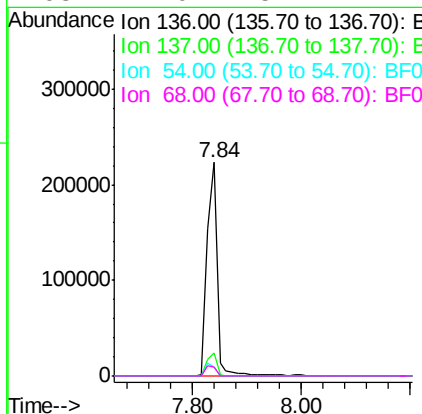
RT: 7.84 min Scan# 547

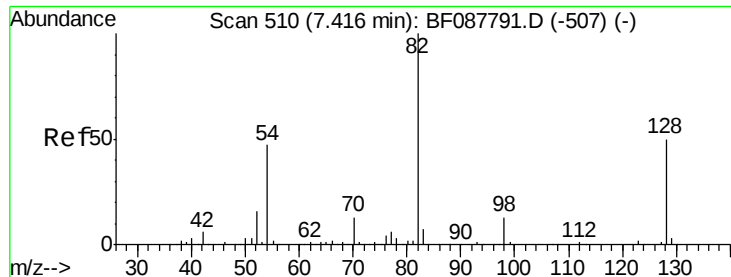
Delta R.T. -0.06 min

Lab File: BF088435.D

Acq: 26 Jun 2016 23:19

Tgt Ion:	136	Resp:	287198
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	4.4	6.6	10.0#
68	4.0	5.1	7.7#





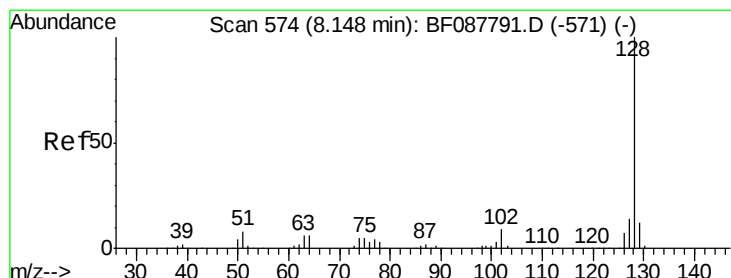
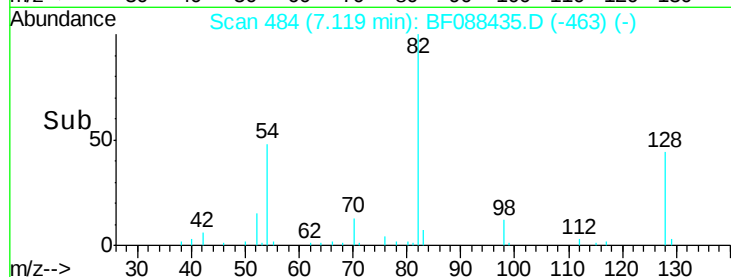
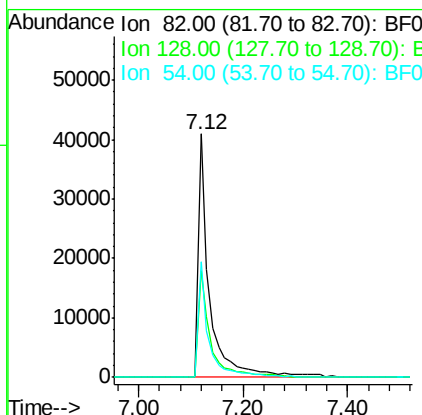
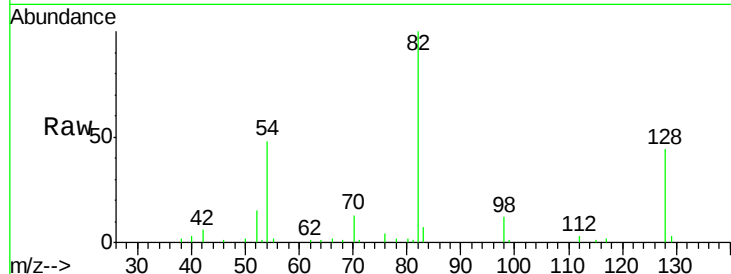
#23
Nitrobenzene-d5
Concen: 12.72 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.06 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.9	53.9
54	47.6	40.9	61.3

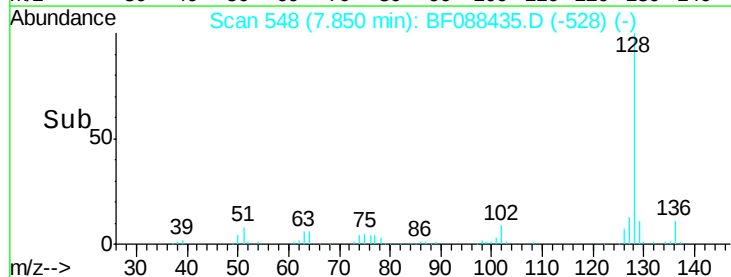
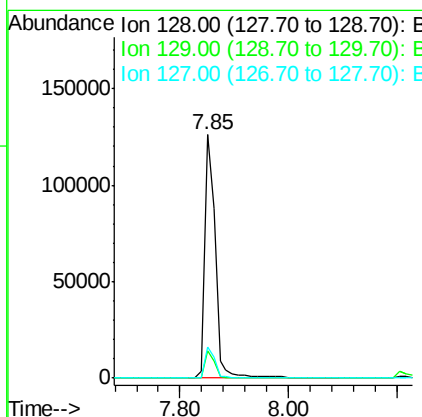
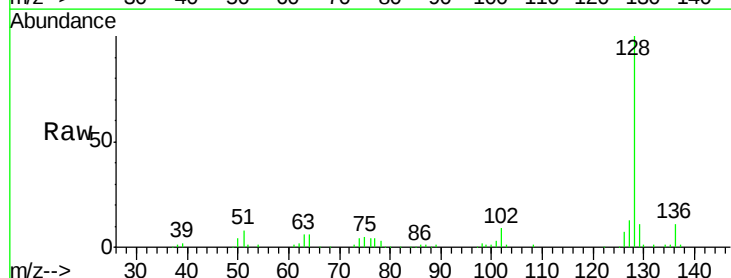
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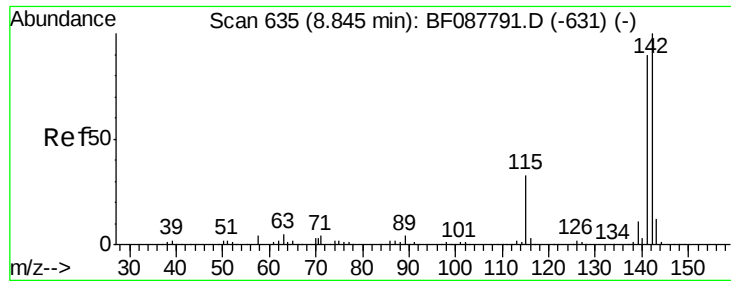
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#31
Naphthalene
Concen: 11.77 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.07 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.4	14.2
127	12.6	10.9	16.3





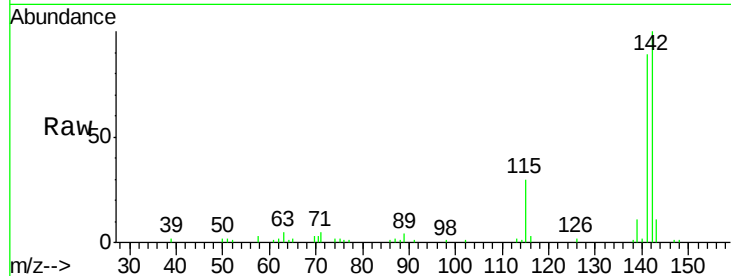
#37
2-Methylnaphthalene
Concen: 5.49 ng
RT: 8.55 min Scan# 609
Delta R.T. -0.06 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampled :
TP-6

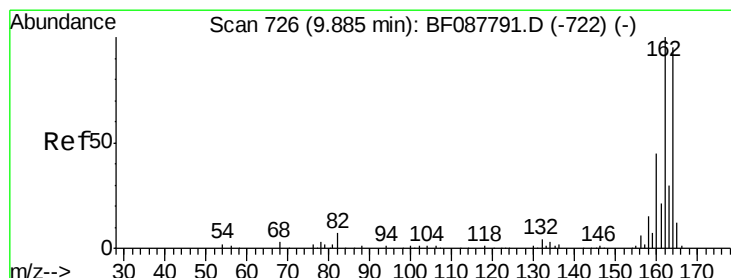
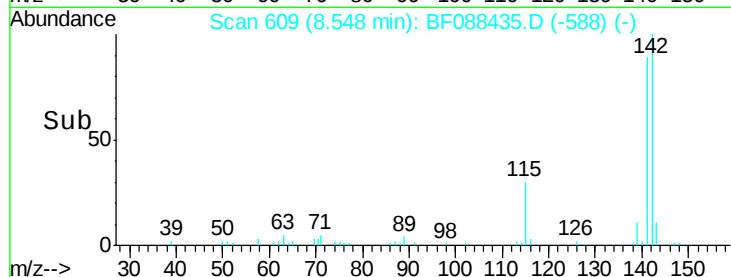
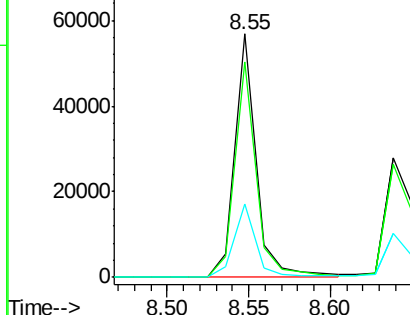
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.0	106.6
115	30.2	22.6	33.8

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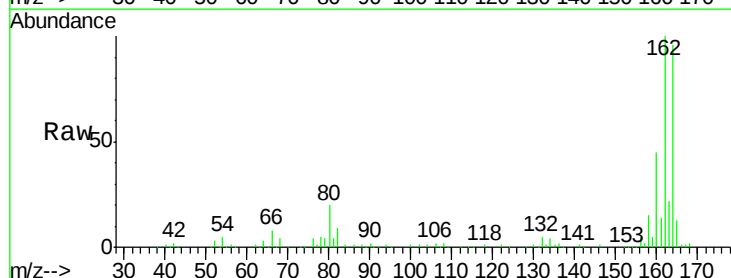


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

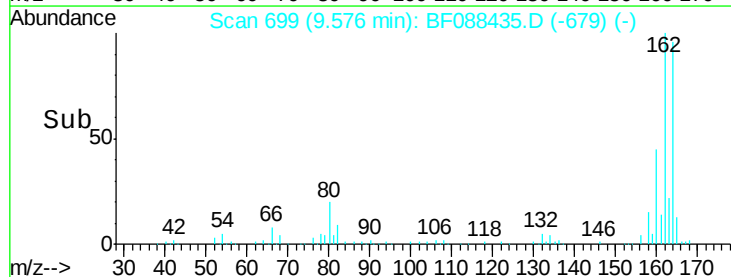
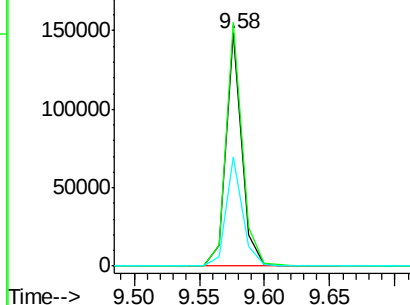


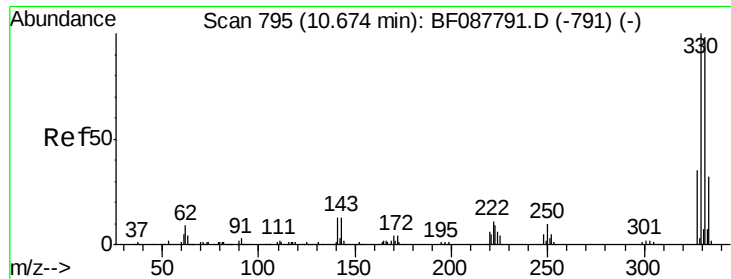
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.07 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	85.4	128.2
160	47.0	39.5	59.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





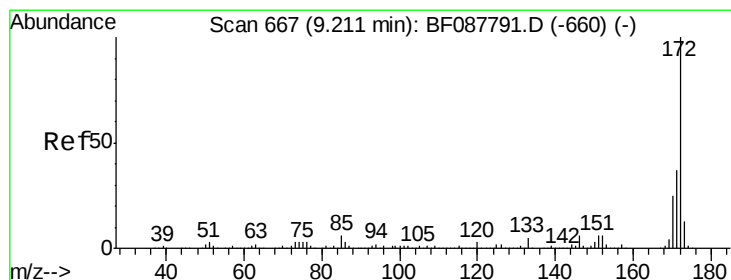
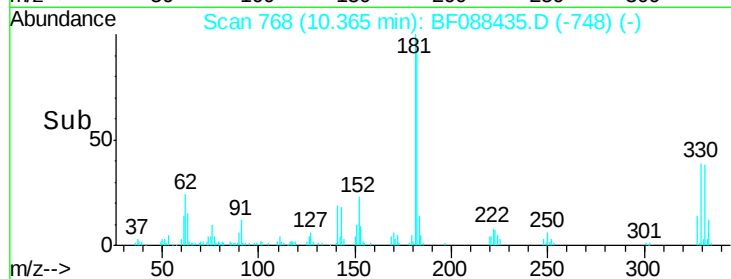
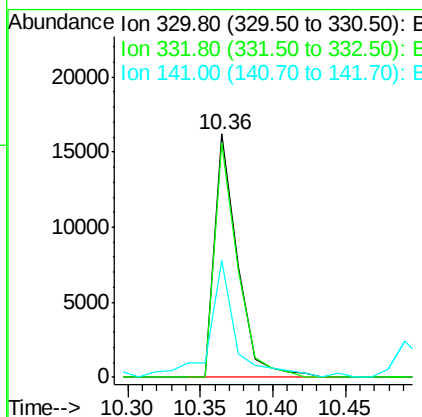
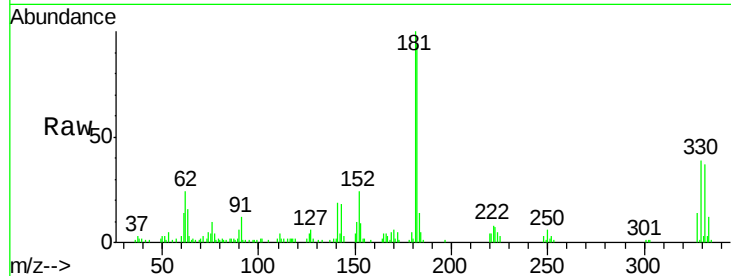
#41
 2,4,6-Tribromophenol
 Concen: 13.38 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.07 min
 Lab File: BF088435.D
 Acq: 26 Jun 2016 23:19

Instrument :
 BNA_F
 ClientSampled :
 TP-6

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	56.0	0.0	0.0#

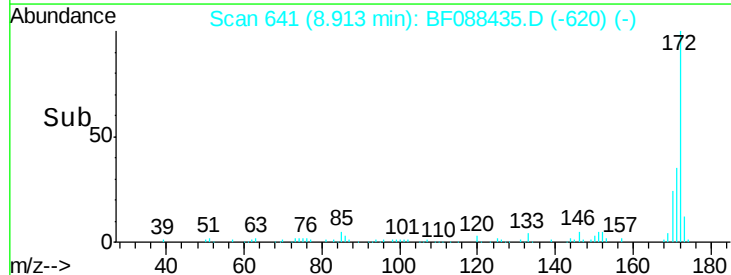
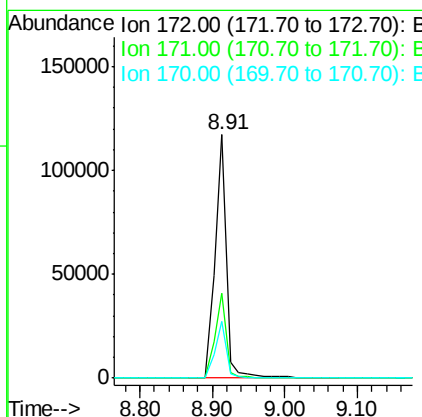
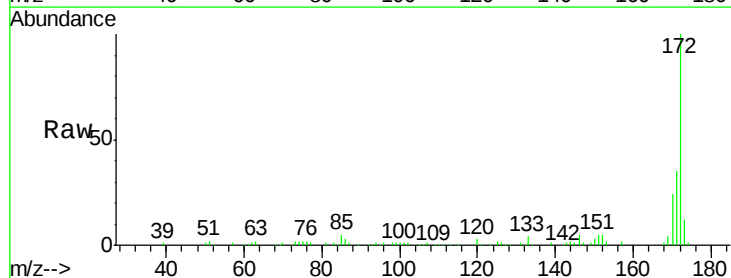
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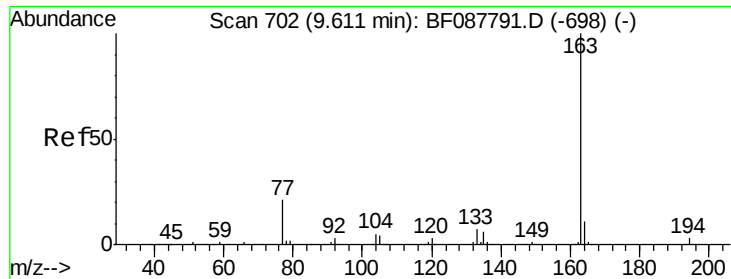
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#44
 2-Fluorobiphenyl
 Concen: 10.90 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF088435.D
 Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.9	28.6	43.0
170	23.5	19.2	28.8





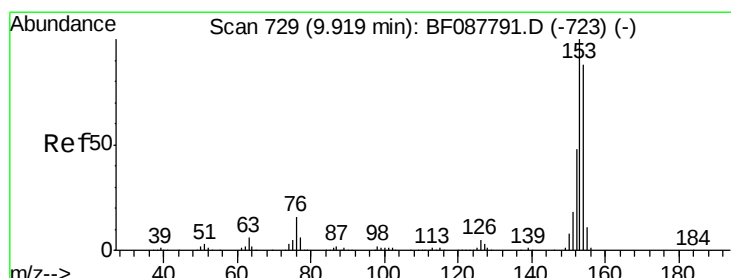
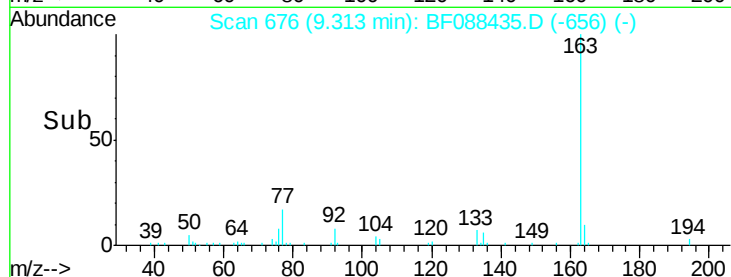
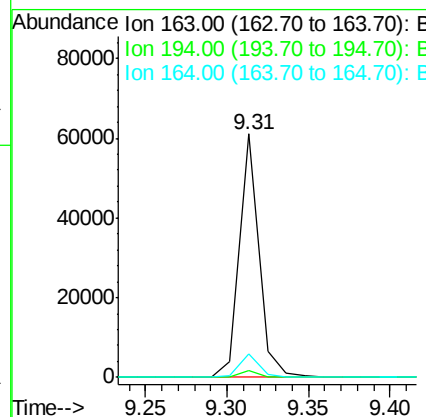
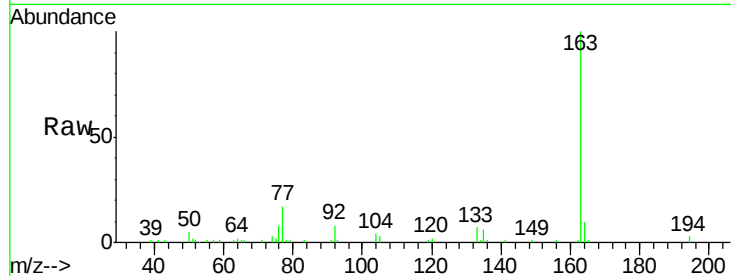
#49
Dimethylphthalate
Concen: 5.47 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.8	4.2
164	9.9	8.3	12.5

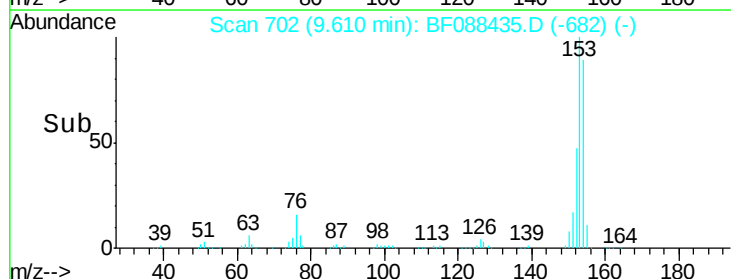
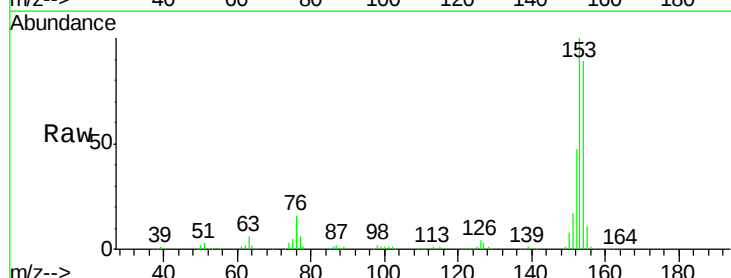
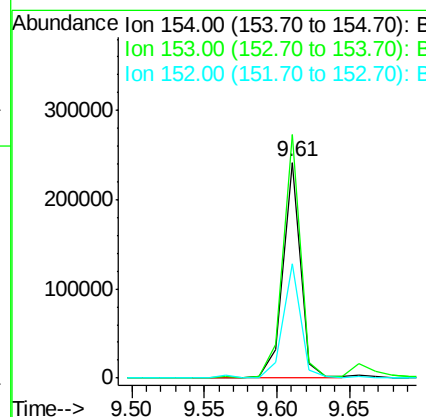
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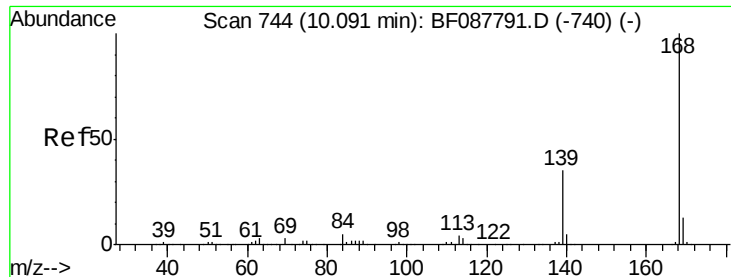
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#51
Acenaphthene
Concen: 24.88 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.07 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.5	134.3
152	53.1	42.7	64.1





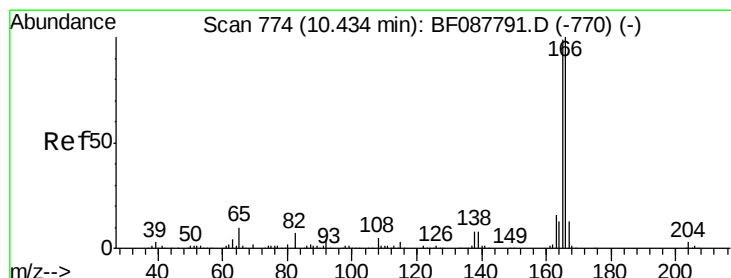
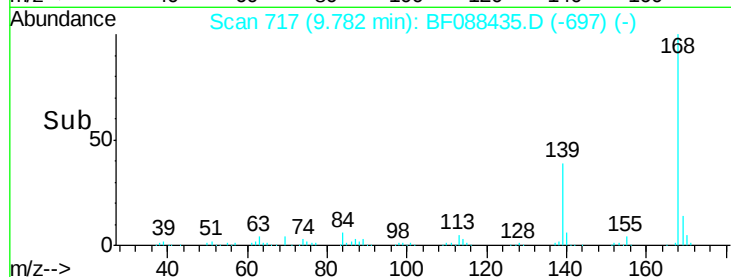
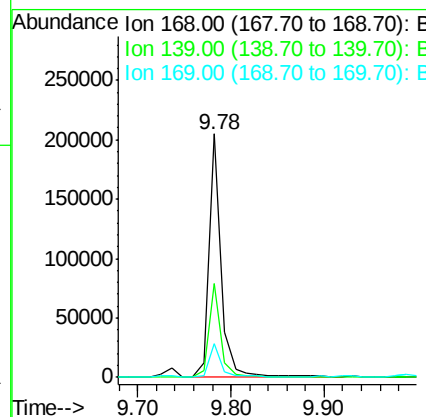
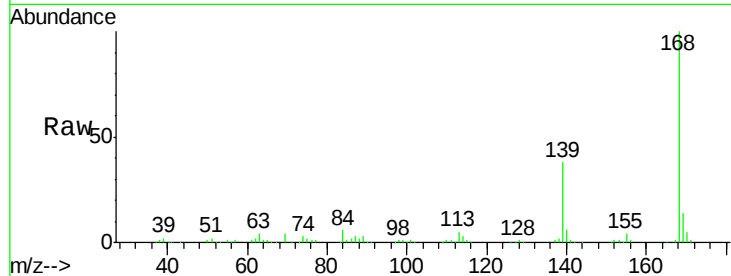
#54
Dibenzenofuran
Concen: 16.98 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.07 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	26.4	39.6
169	13.9	10.4	15.6

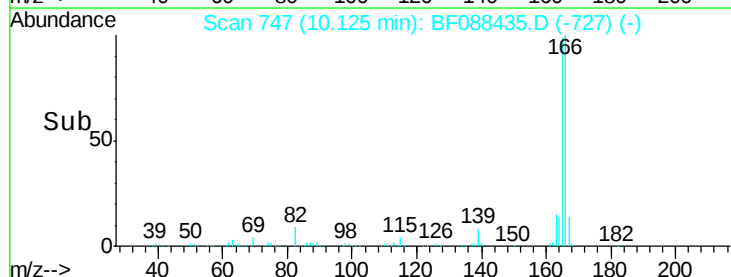
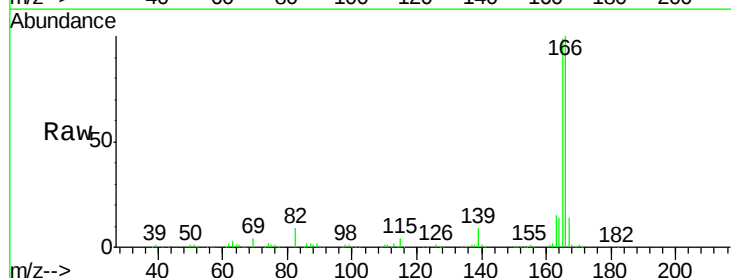
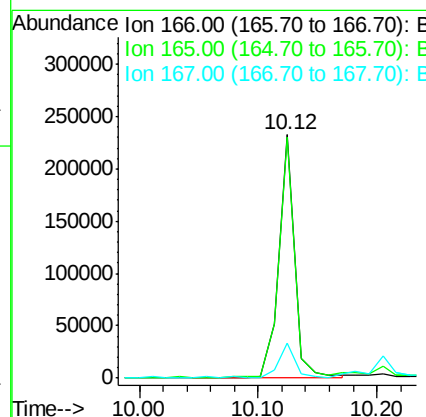
Manual Integrations
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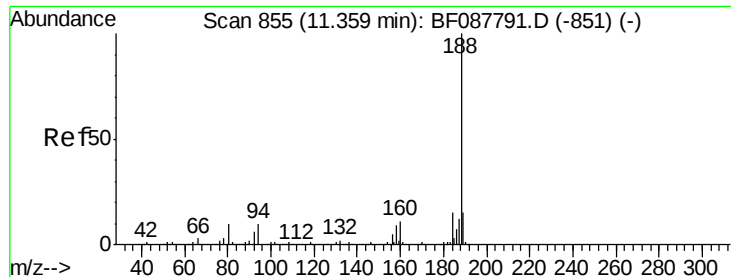
sohil
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#57
Fluorene
Concen: 26.70 ng
RT: 10.12 min Scan# 747
Delta R.T. -0.07 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.8	116.8
167	14.1	11.2	16.8





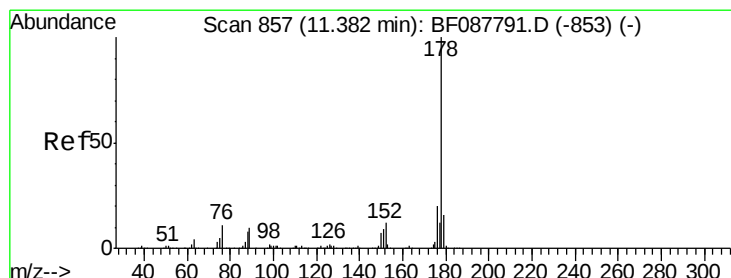
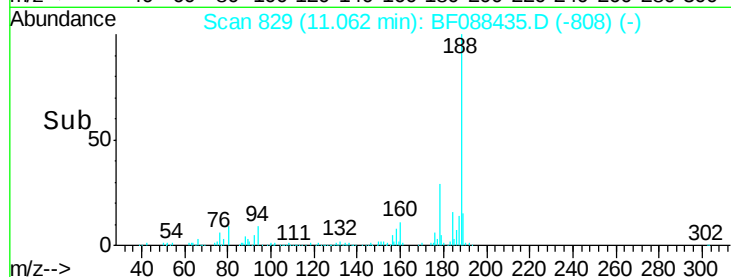
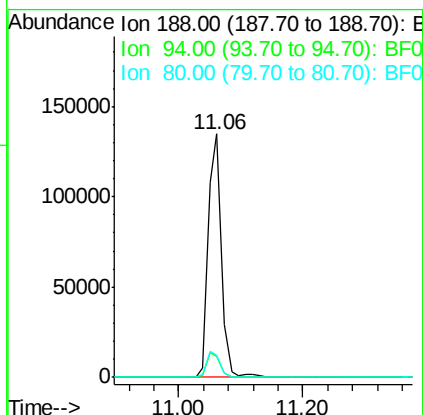
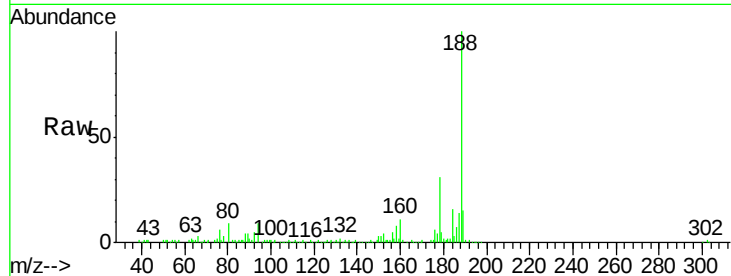
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	9.0	13.6#
80	8.9	10.0	15.0#

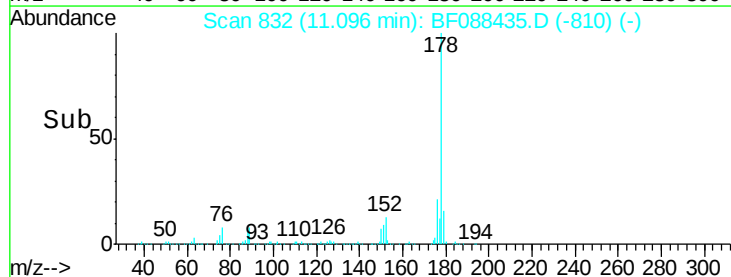
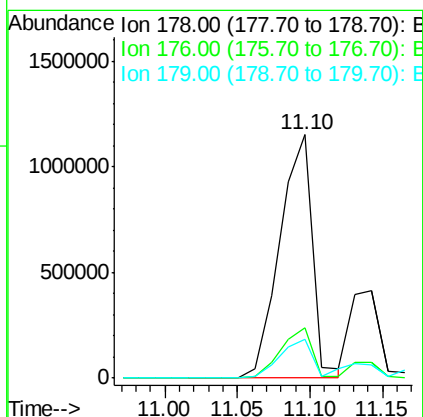
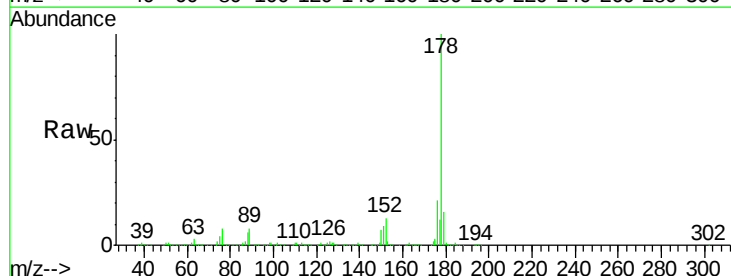
Manual Integrations
APPROVED

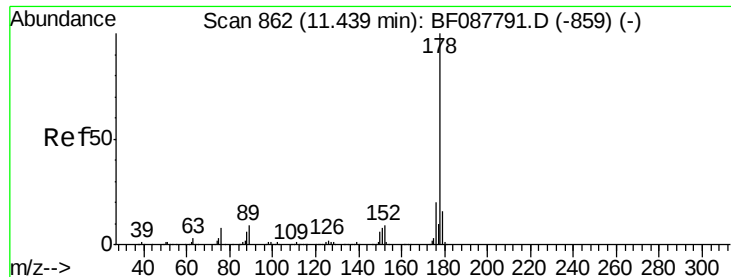
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#70
Phenanthrene
Concen: 173.12 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.05 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.7	15.8	23.6
179	15.7	13.0	19.4





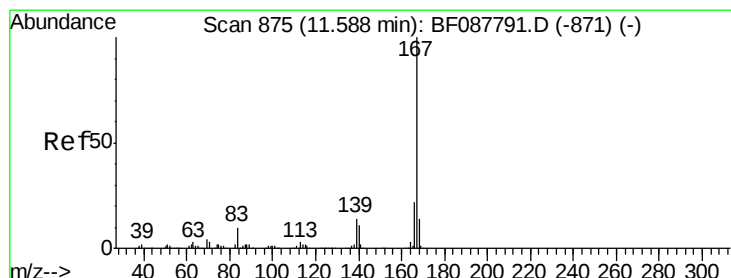
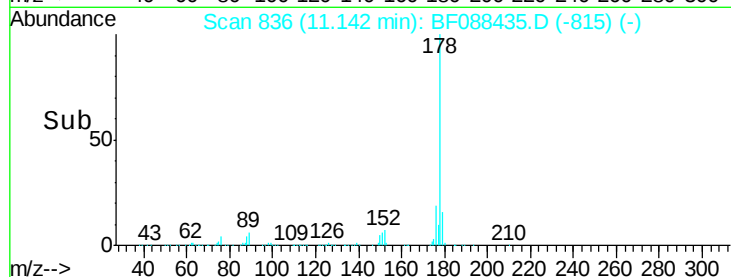
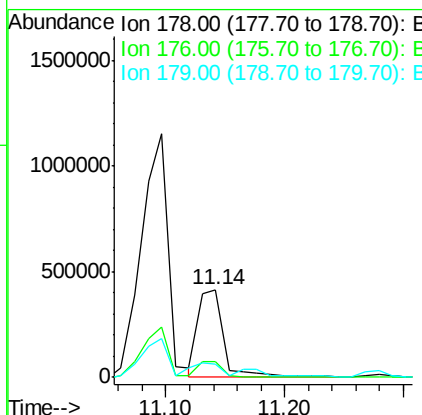
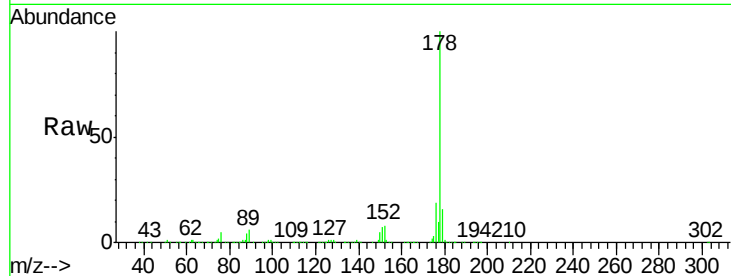
#71
 Anthracene
 Concen: 59.36 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.06 min
 Lab File: BF088435.D
 Acq: 26 Jun 2016 23:19

Instrument :
 BNA_F
 ClientSampled :
 TP-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.6	12.8	19.2

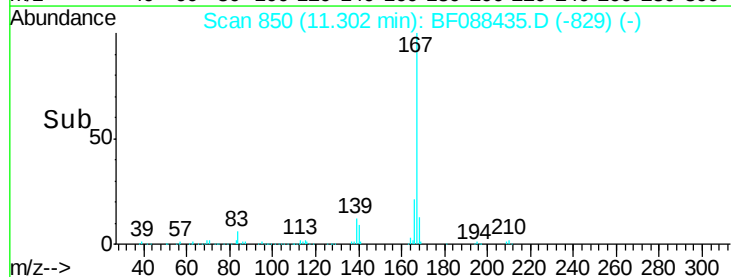
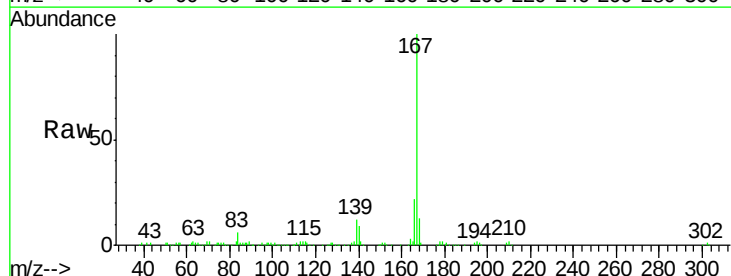
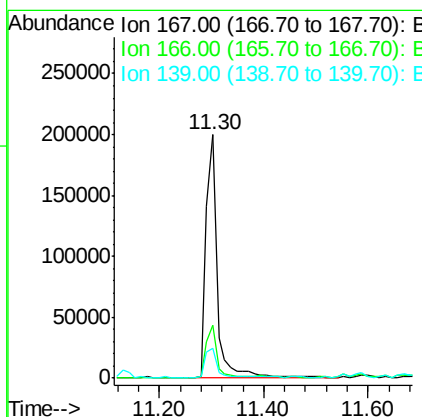
Manual Integrations
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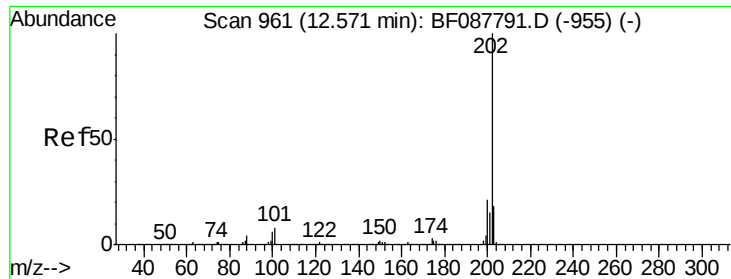
sohil
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#72
 Carbazole
 Concen: 30.67 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.06 min
 Lab File: BF088435.D
 Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.6
139	12.1	11.2	16.8





#74

Fluoranthene

Concen: 198.68 ng

RT: 12.29 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF088435.D

Acq: 26 Jun 2016 23:19

Instrument :

BNA_F

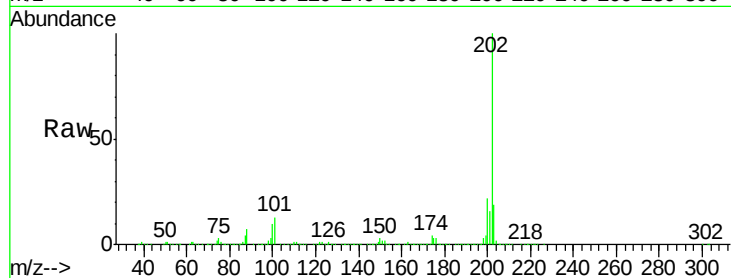
ClientSampled :

TP-6

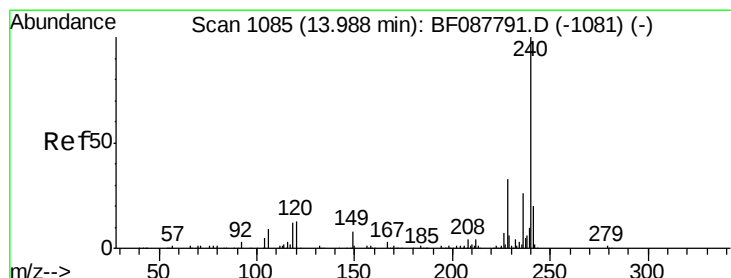
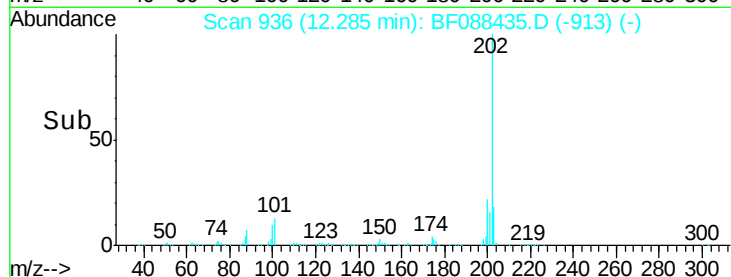
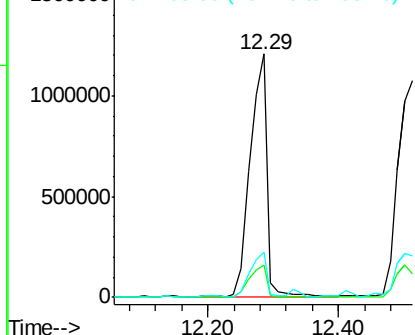
Tot Ion:	202	Resp:	2175014
Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.1
203	18.5	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

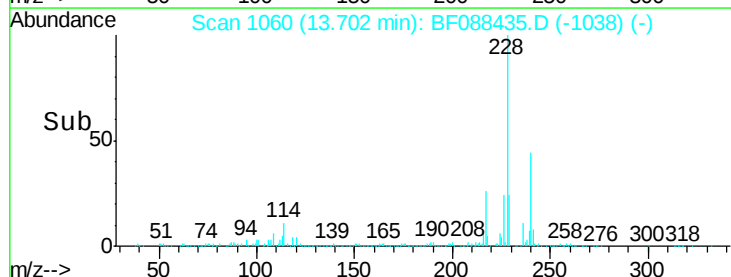
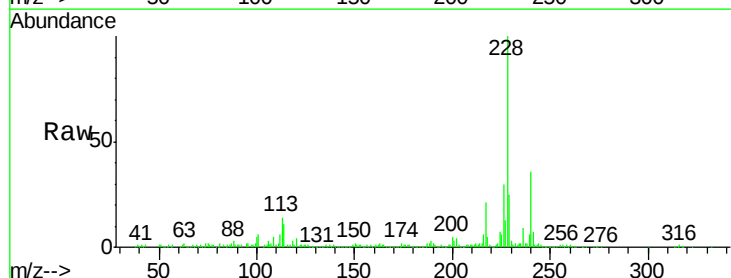
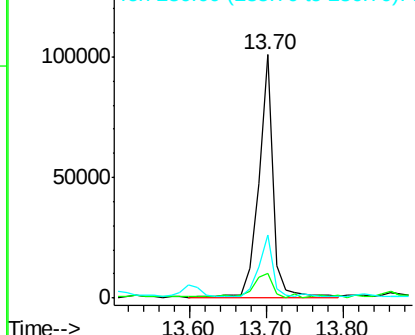
Delta R.T. -0.05 min

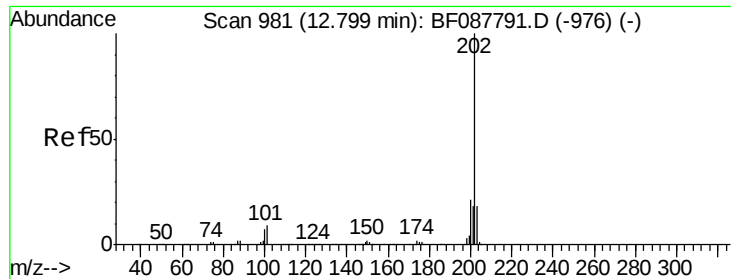
Lab File: BF088435.D

Acq: 26 Jun 2016 23:19

Tgt Ion:	240	Resp:	126513
Ion	Ratio	Lower	Upper
240	100		
120	9.9	6.8	10.2
236	25.7	20.2	30.2

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





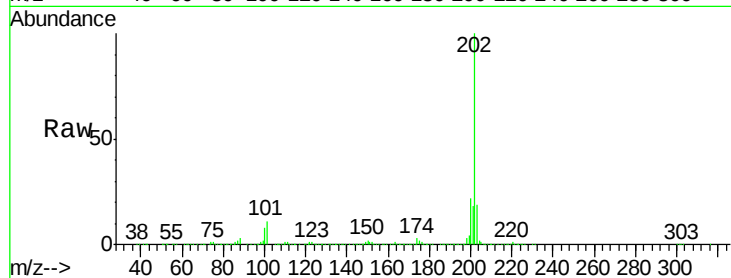
#77
Pvrene
Concen: 213.97 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.03 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	19.1	14.5	21.7

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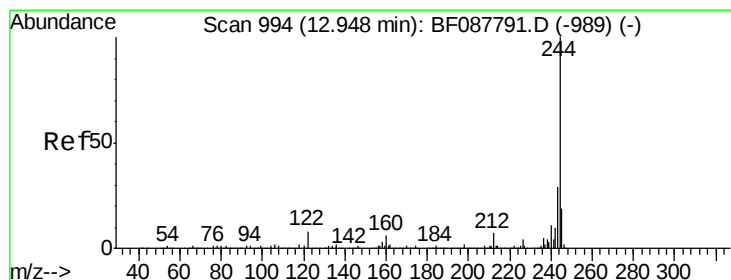
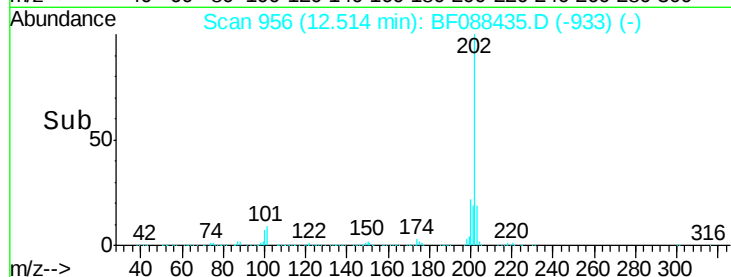
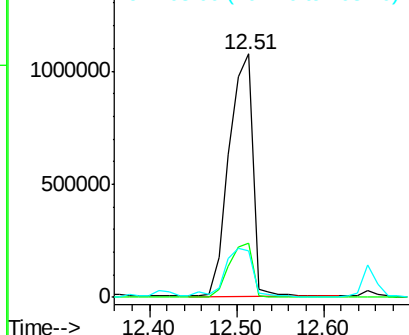


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 16.22 ng
RT: 12.64 min Scan# 967
Delta R.T. -0.06 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

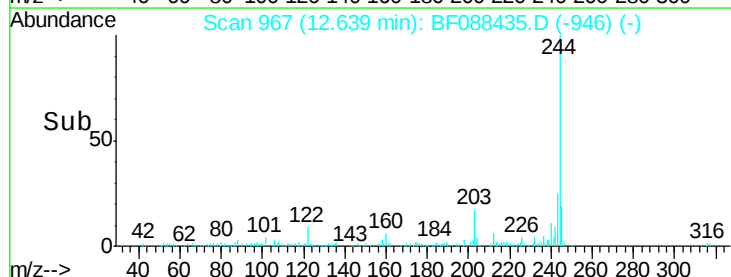
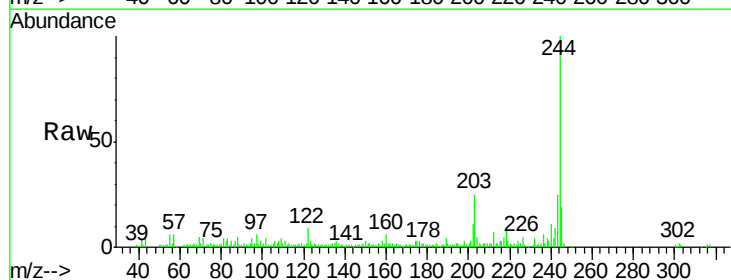
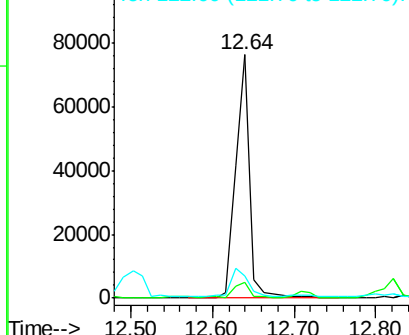
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	9.2	11.2	16.8#

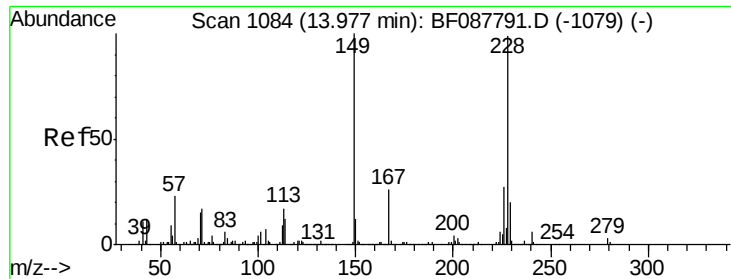
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





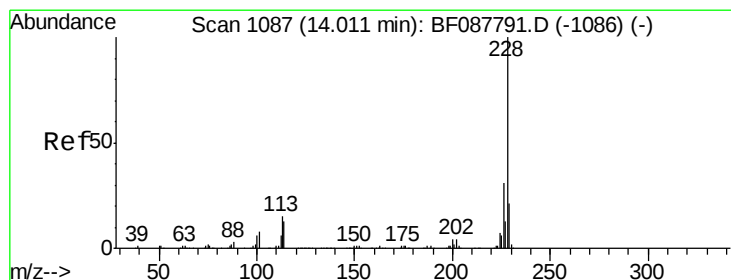
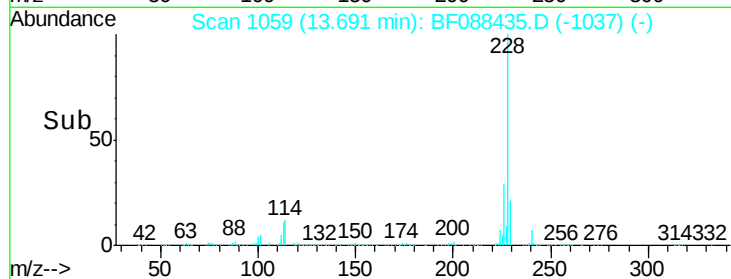
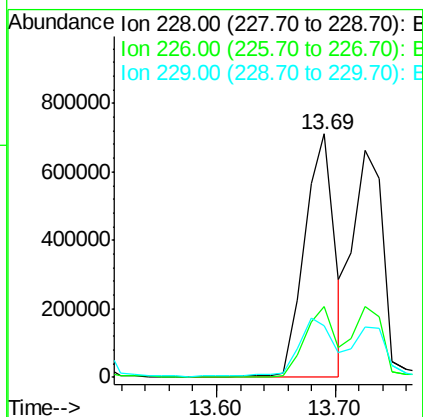
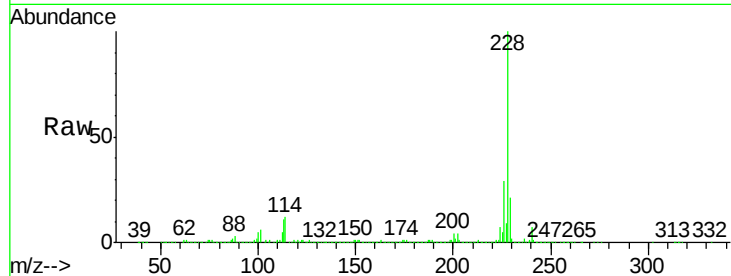
#80
Benzo(a)anthracene
Concen: 171.53 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.05 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampleId :
TP-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.3	33.5
229	21.4	16.0	24.0

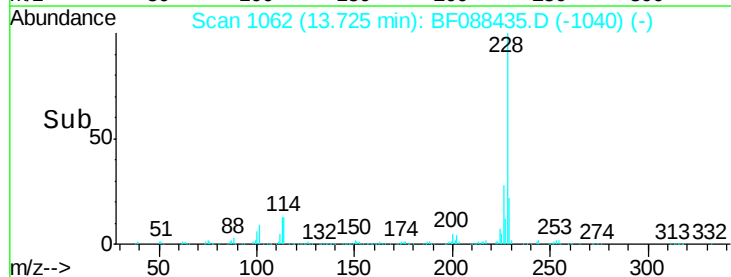
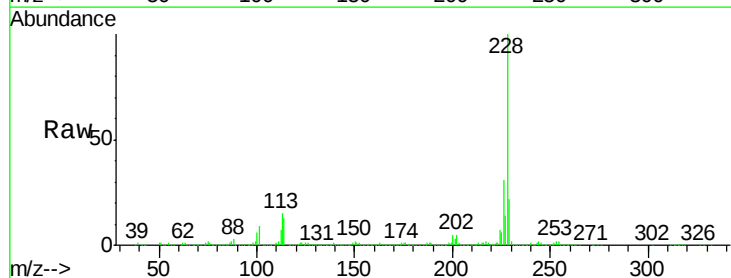
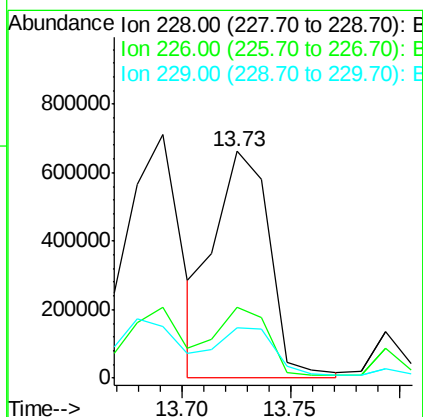
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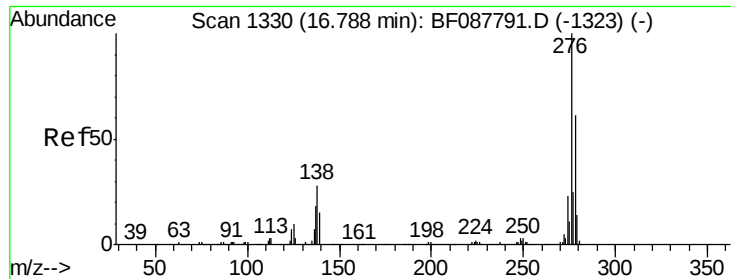
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#82
Chrysene
Concen: 170.80 ng m
RT: 13.73 min Scan# 1062
Delta R.T. -0.05 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.4	38.2
229	22.3	16.3	24.5





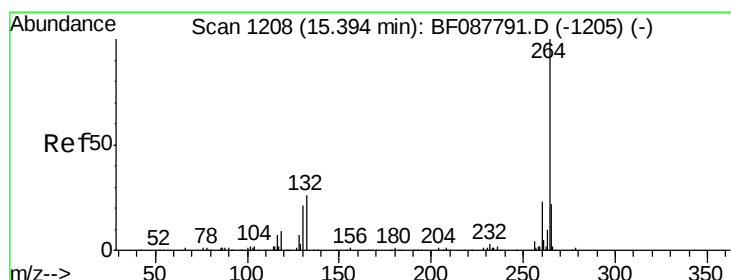
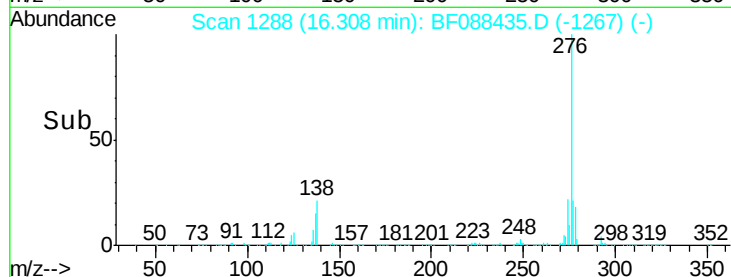
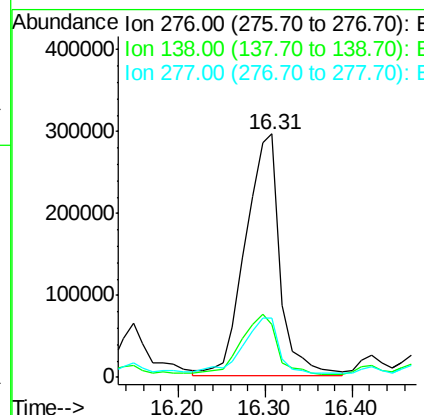
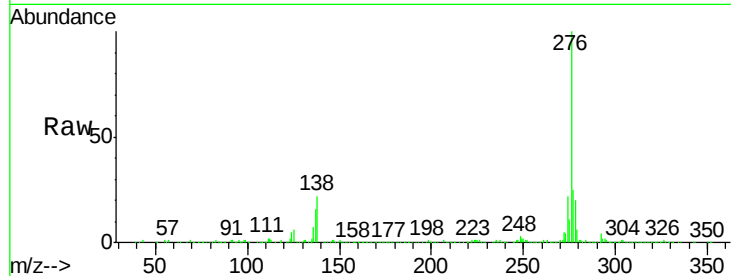
#85
Indeno(1,2,3-cd)pyrene
Concen: 129.51 ng
RT: 16.31 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampleId :
TP-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	0.0	0.0#
277	24.7	0.0	0.0#

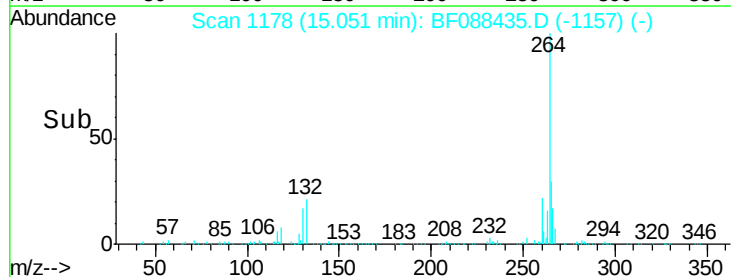
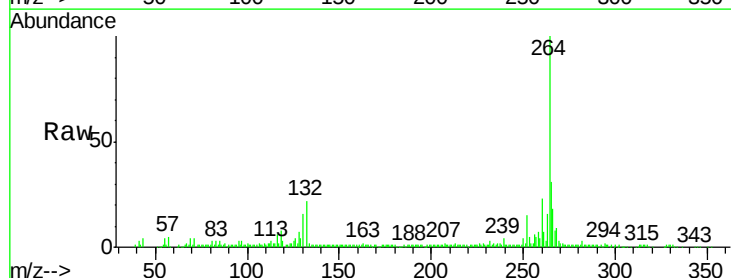
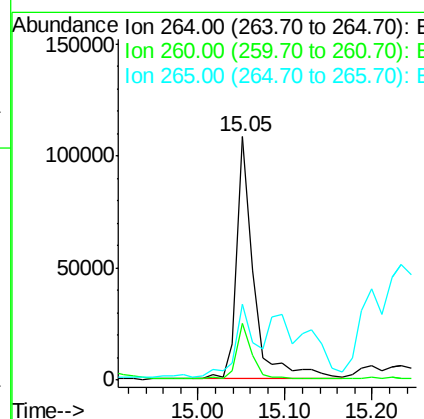
Manual Integrations
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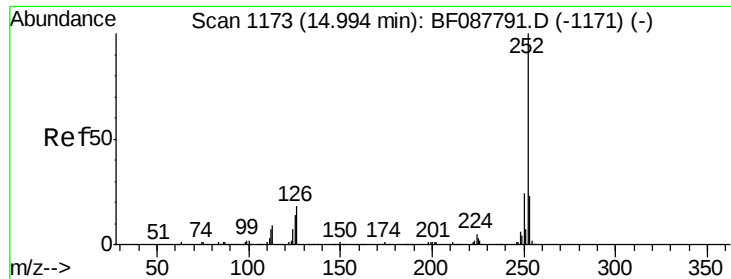
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	30.9	16.9	25.3#





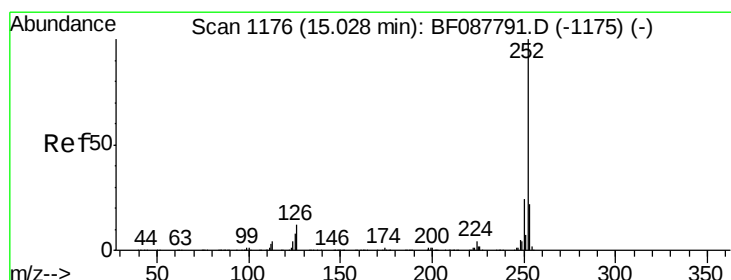
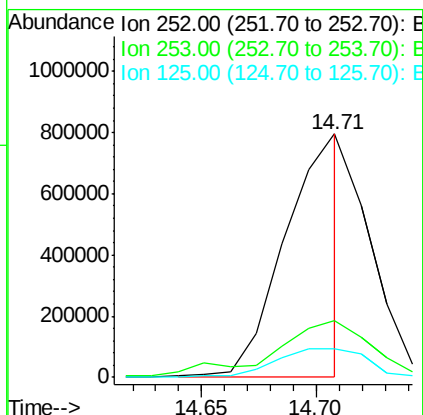
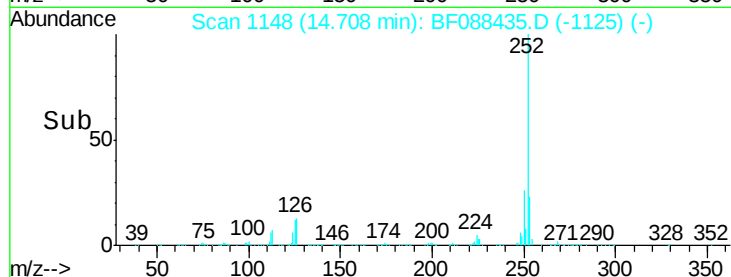
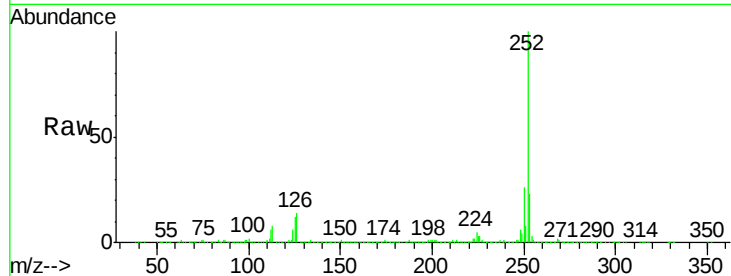
#87
Benzo(b)fluoranthene
Concen: 141.00 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampleId :
TP-6

Tot Ion:252 Resp: 1428270
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 12.0 7.1 10.7#

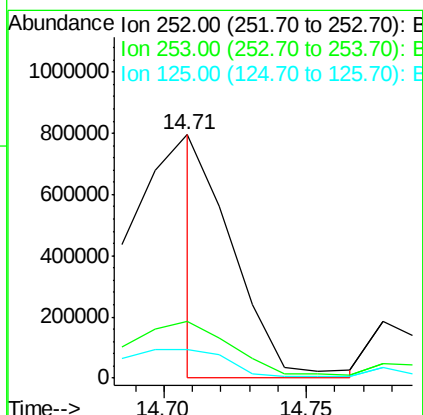
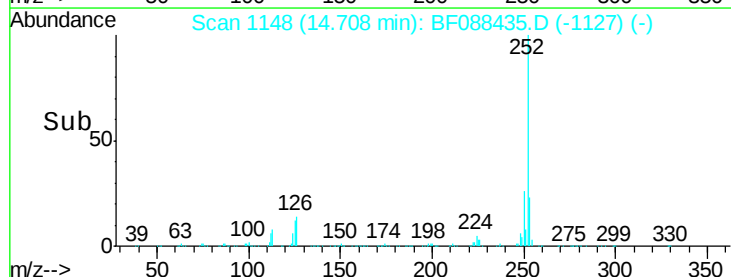
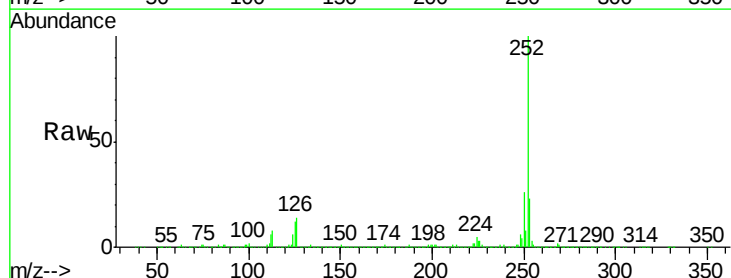
Manual Integrations
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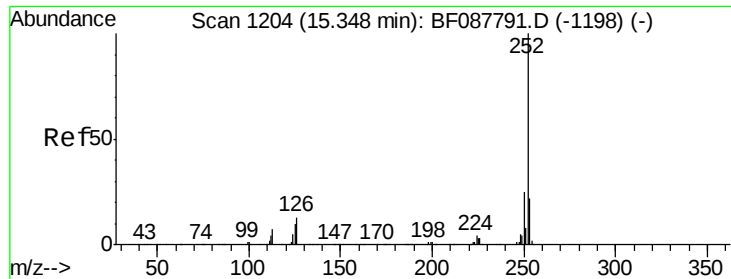
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#88
Benzo(k)fluoranthene
Concen: 79.25 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Tgt Ion:252 Resp: 605605
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 12.0 11.2 16.8





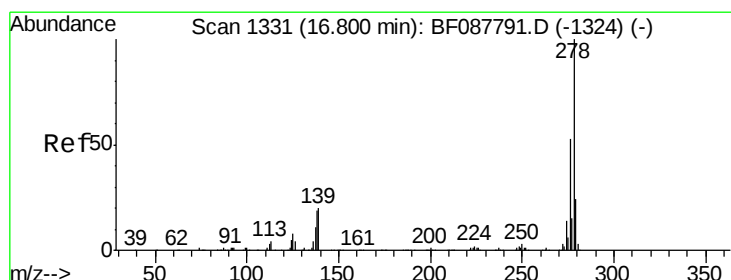
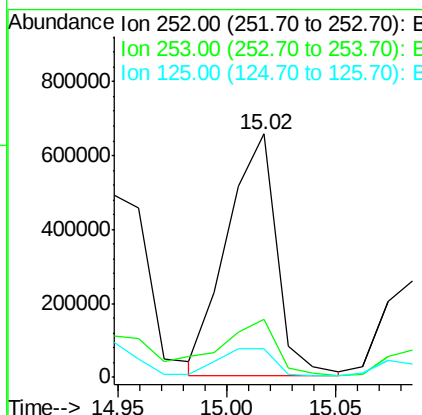
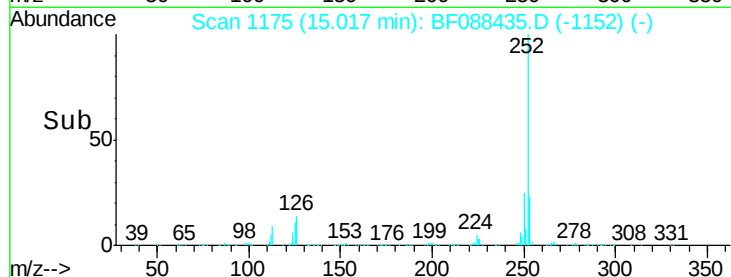
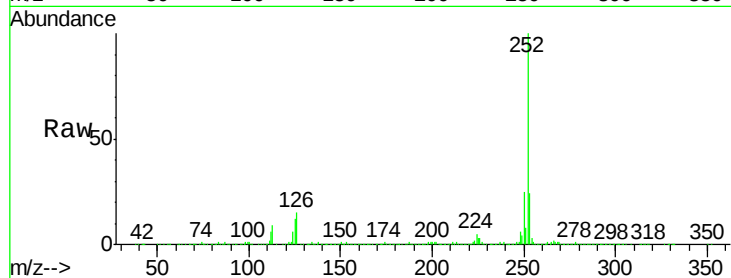
#89
Benzo(a)pyrene
Concen: 125.90 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.03 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Instrument :
BNA_F
ClientSampleId :
TP-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	11.7	12.5	18.7

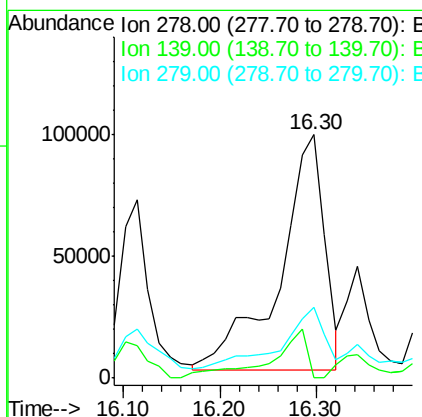
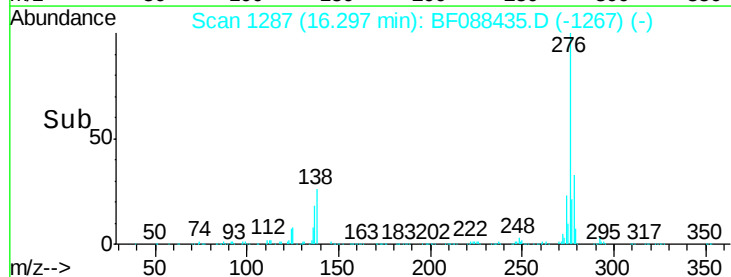
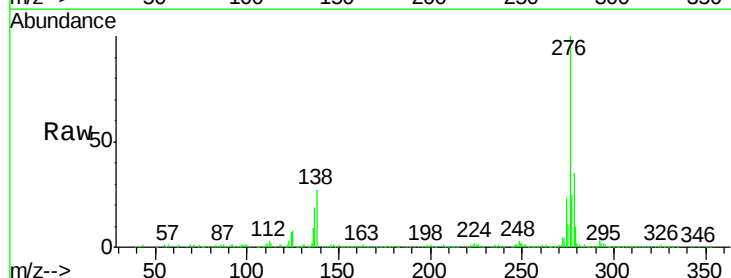
Manual Integrations
APPROVED

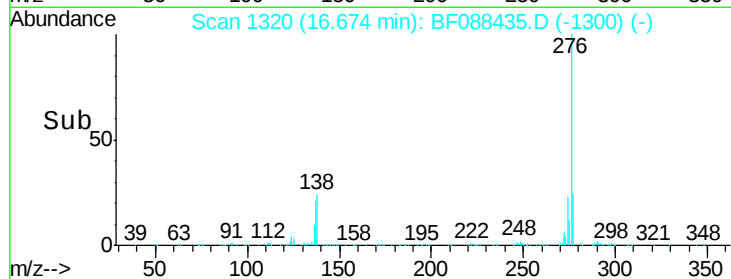
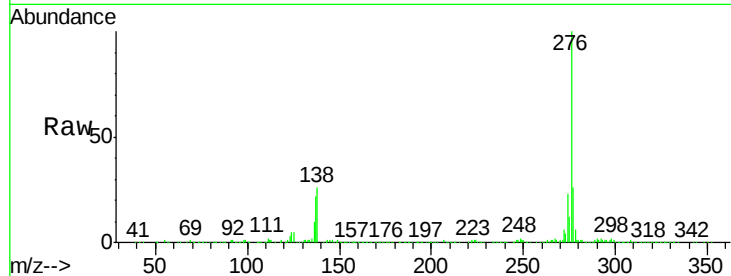
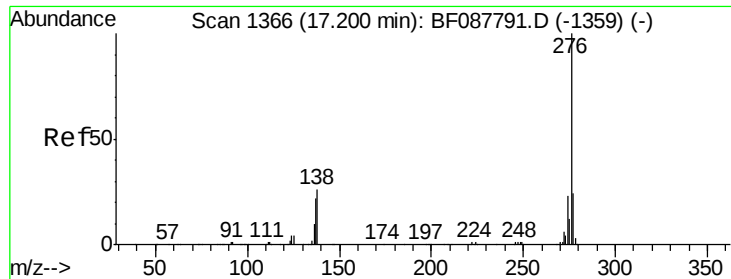
sohil
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#90
Dibenzo(a,h)anthracene
Concen: 41.38 ng m
RT: 16.30 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF088435.D
Acq: 26 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5
279	29.2	19.4	29.2





#91

Benzo(a,h,i)perylene

Concen: 98.01 ng

RT: 16.67 min Scan# 1320

Delta R.T. -0.07 min

Lab File: BF088435.D

Acq: 26 Jun 2016 23:19

Instrument :

BNA_F

ClientSampleId :

TP-6

Tot Ion: 276 Resp: 767439

Ion Ratio Lower Upper

276 100

277 25.9 18.9 28.3

138 25.7 21.4 32.2

Manual Integrations

APPROVED

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